Claims:

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1-23. (canceled)

24. (currently amended) A dynamic magnet system, comprising:

a support structure, and

an even number of magnets oriented in polar opposition to individually move relative to said support structure along a common axis,

said support structure providing an unobstructed magnet movement path between said magnets,

a conductor oriented with respect to said support structure and magnets so that movement of said magnets induces an electrical signal in said conductor, and

an operating system powered by said signal.

25. (original) The dynamic magnet system of claim 24, further comprising a pair of end magnets along said axis limiting the travel of said moving magnets, said end magnets oriented in polar opposition to the nearest respective moving magnets.

26. (canceled)

27. (currently amended) The dynamic magnet system of claim $\frac{26}{24}$, said conductor comprising at least one coil wound on said support structure, said support structure being nonconductive.

28. (canceled)

- 29. (original) The dynamic magnet system of claim 24, said support structure orienting said magnets for movement in a primarily horizontal direction.
- 30. (currently amended) The A dynamic magnet system of claim 24, further comprising:

a support structure,

an even number of magnets oriented in polar opposition to individually move relative to said support structure along a common axis,

said support structure providing an unobstructed magnet movement path between said magnets, and

- ultra low friction bearings establishing static coefficients of friction between said magnets and said support structure less than about 0.02.
 - 31. (original) The dynamic magnet system of claim 30, said bearings comprising a ferrofluid.
 - 32. (original) The dynamic magnet system of claim 31, said ferrofluid having a viscosity less than 10 centipoise.
 - 33. (original) The dynamic magnet system of claim 31, said ferrofluid comprising a light mineral oil medium mixed with isoparaffinic acid.
 - 34. (currently amended) The \underline{A} dynamic magnet system of claim 24, comprising:

a support structure, and

an even number of magnets oriented in polar opposition to individually move relative to said support structure along a common axis,

said support structure providing an unobstructed magnet movement path between said magnets,

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said magnets having multiple oscillation modes 10 relative to said support structure.

35. (currently amended) The A dynamic magnet system of-claim-24, comprising:

a support structure, and

an even number of magnets oriented in polar opposition to individually move relative to said support structure along a common axis,

said support structure providing an unobstructed magnet movement path between said magnets,

wherein said system has a critical angle of displacement for said magnets from a horizontal static position of less than 1 degree.

36. (canceled)

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- 37. (currently amended) The dynamic magnet system of claim 36 24, said magnets having multiple oscillation modes relative to said support structure.
- 38. (currently amended) The dynamic magnet system of claim 36 24, said bearings further comprising a ferrofluid bearings between said magnets and said support structure.
- 39. (Original) The dynamic magnet systems of claim 38, said ferrofluid having a viscosity less than 10 centipoise.
- 40. (original) The dynamic magnet system of claim 38, said ferrofluid comprising a light mineral oil medium mixed with isoparaffinic acid.
- 41. (currently amended) The dynamic magnet system of claim 36 30, further comprising a conductor oriented with

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respect to said support structure and magnets so that movement of said magnets induces an electrical signal in said conductor.

- 42. (original) The dynamic magnet system of claim 41, said conductor comprising at least one coil wound on said support structure, said support structure being nonconductive.
- 43. (original) The dynamic magnet systems of claim 41, further comprising an operating system powered by said signal.
- 44. (currently amended) The dynamic magnet system of claim 36 30, further comprising a pair of end magnets limiting the travel of said moving magnets, said end magnets oriented in polar opposition to the nearest respective moving magnets.
- 45. (currently amended) A The dynamic magnet system of claim 34, comprising:

a support structure, and

a plurality of magnets oriented in polar opposition to move relative to said support structure,

said support structure orienting said magnets for primarily horizontal movement and providing an unobstructed magnet movement path between said magnets,

wherein said system has a critical angle of displacement for said magnets from a horizontal static 10 position of less than 1 degree.

- 46. (original) The dynamic magnet system of claim 45, wherein said critical angle is less than 10 minutes.
 - 47. (canceled)

- 48. (currently amended) The dynamic magnet system of claim 45 34, further comprising a conductor oriented with respect to said support structure and magnets so that movement of said magnets induces an electrical signal in said conductor.
- 49. (original) The dynamic magnet system of claim 48, further comprising an operating system powered by said signal.

50. (canceled)

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51. (currently amended) The dynamic magnet system of claim 50 34, further comprising respective ferrofluid bearings establishing static coefficients of friction between said magnets and said support structure less than about 0.02.

52. (canceled)

- 53. (currently amended) The dynamic magnet system of claim $\frac{52}{51}$, said ferrofluid having a viscosity less than 10 centipoise.
- 54. (currently amended) The dynamic magnet system of claim 52 51, said ferrofluid comprising a light mineral oil medium mixed with isoparaffinic acid.
- 55. (currently amended) The dynamic magnet system of claim $\frac{50}{34}$, said support structure orienting said magnets for movement in a primarily horizontal direction.
- 56. (currently amended) The dynamic magnet system of claim 50 35, further comprising a conductor oriented with respect to said support structure and magnets so that

movement of said magnets induces an electrical current in said conductor.

- 57. (original) The dynamic magnet systems of claim 56, said conductor comprising at least one coil wound on said support structure, said support structure being nonconductive.
- 58. (original) The dynamic magnet system of claim 56, further comprising an operating system powered by said current.
- 59. (currently amended) The dynamic magnet system of claim 50 30, wherein said system has a critical angle of displacement for said magnets from a horizontal static position of less than 1 degree.
- 60. (original) The dynamic magnet system of claim 59, wherein said critical angle is less than 10 minutes.
 - 61-65. (canceled)

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